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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/720,642	11/24/2003	Arash Rouhi	7389	4676
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EXAMINER				
FEARER, MARK D				
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/720,642

Applicant(s)

ROUHI, ARASH

Examiner

MARK D. FEARER

Art Unit

2443

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 November 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-38 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-38 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/CDC)
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date: _____

DETAILED ACTION

1. Applicant's Amendment filed 10 July 2008 is acknowledged.
2. Claims 1, 3, 8-10, and 16-17 have been amended.
3. Claims 1-38 are pending in the present application.
4. This action is made FINAL.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

6. Claims 1, 3-7, 10-20 and 23-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gerszberg et al. (US 6480748 B1) in view of Mani (US 20020188725 A1).

Consider claims 1, 33, 35, and 37-38. Gerszberg et al. clearly discloses a multimedia network system for inter-connecting a number of receiving and transmitting digital and/or analogous devices, the network system comprising: a number of receiving and/or transmitting terminals to be connected to said digital and/or analogous devices (column 4 lines 27-47), application specific connector arrangements for connecting said digital and/or analogous devices to said terminals (column 12 lines 63-67 and column 13 lines 1-44), a controller, and at least one of said connector arrangements being arranged to transmit and/or receive data (column 7 lines 66-67 and column 8 lines 1-27), said at least one connector arrangement containing data at least about required bandwidth, identification and receiving/transmitting device data format (column 5 lines 57-67 and column 6 lines 1-5). However, Gerszberg et al. fails to disclose a multimedia network system wherein at least one of said connector arrangements is arranged to transmit and/or receive data, at least one of said terminals is arranged to transmit and/or receive data, said at least one connector arrangement containing data at least about identification, and each of said terminals are capable of both transmitting to and receiving from said connector arrangements at least one of audio and video traffic. Mani discloses a method of user verification service in a multimedia-capable network wherein at least one of said connector arrangements is arranged to transmit and/or receive data, at least one of said terminals is arranged to transmit and/or receive data, said at least

one connector arrangement containing data at least about identification, and each of said terminals are capable of both transmitting to and receiving from said connector arrangements at least one of audio and video traffic ("FIG. 2 depicts a functional block diagram associated with the exemplary architectural scheme shown in FIG. 1. Three layers corresponding to the three decoupled levels of the architectural scheme are particularly illustrated. An access/transport layer 202 is exemplified with a plurality of multimedia-capable H.323 terminals 208, GWs 210 (including MGWs and Access Gateways or AGWs) for providing access to one or more Integrated Access Devices (IADs) (not shown) and other communication appliances, and multimedia-capable SIP terminals 212. For purposes of the present invention, all such multimedia-capable access devices (including multimedia-capable phones, computers, game stations, television sets, etc.) may be referred to as multimedia appliances and are preferably provided with one or more man/machine interfaces (e.g., video/still cameras, microphones, display screens, keyboards, pointing devices, joy sticks, track balls, voice recorders, audio-to-text or text-to-audio converters, and the like) for accepting or capturing multimedia responses or inputs associated with a user. Also, in some exemplary implementations, the multimedia appliances may be equipped with suitable biometric ID readers and sensors, e.g., fingerprint readers, retinal scanners, voice recognition systems, etc.") paragraph 0026).

Gerszberg et al. discloses a prior art multimedia network system for inter-connecting a number of receiving and transmitting digital and/or analogous devices, the network system comprising: a number of receiving and/or transmitting terminals to be connected to said digital and/or analogous devices, application specific connector arrangements for connecting said digital and/or analogous devices to said terminals, a controller, and at least one of said connector arrangements being arranged to transmit and/or receive data, said at least one connector arrangement containing data at least about required bandwidth, identification and receiving/transmitting device data format upon which the claimed invention can be seen as an improvement.

Mani teaches a prior art comparable method of user verification service in a multimedia-capable network wherein at least one of said connector arrangements is arranged to transmit and/or receive data, at least one of said terminals is arranged to transmit and/or receive data, said at least one connector arrangement containing data at least about identification, and each of said terminals are capable of both transmitting to and receiving from said connector arrangements at least one of audio and video traffic.

Thus, the manner of enhancing a particular device (method of user verification service in a multimedia-capable network wherein at least one of said connector arrangements is arranged to transmit and/or receive data, at least one of said terminals

is arranged to transmit and/or receive data, said at least one connector arrangement containing data at least about identification, and each of said terminals are capable of both transmitting to and receiving from said connector arrangements at least one of audio and video traffic) was made part of the ordinary capabilities of one skilled in the art based upon the teaching of such improvement in Mani. Accordingly, one of ordinary skill in the art would have been capable of applying this known improvement technique in the same manner to the prior art multimedia network system for inter-connecting a number of receiving and transmitting digital and/or analogous devices, the network system comprising: a number of receiving and/or transmitting terminals to be connected to said digital and/or analogous devices, application specific connector arrangements for connecting said digital and/or analogous devices to said terminals, a controller, and at least one of said connector arrangements being arranged to transmit and/or receive data, said at least one connector arrangement containing data at least about required bandwidth, identification and receiving/transmitting device data format of Gerszberg et al. and the results would have been predictable to one of ordinary skill in the art, namely, one skilled in the art would have readily recognized a multimedia network.

Consider claims 3 as applied to claim 1, 4 as applied to claim 3, and 5 as applied to claim 4. Gerszberg et al., as modified by Mani, discloses a network system comprising a control logic, for handling one or several of: bandwidth allocation request, group connection set-up, group address setting, network status indication, connection status indication, and Terminal initiation (Gerszberg et al., column 12 lines 45-62).

Consider claim 6, as applied to claim 4. Gerszberg et al., as modified by Mani, discloses a network system wherein said control logic is provided in a least one connector arrangement being a receiving connector handling at least one of: group address setting, network status indication, and connection status indication (Gerszberg et al., column 32 lines 55-67 and column 33 lines 1-54).

Consider claim 7, as applied to claim 5. Gerszberg et al., as modified by Mani, discloses a network system wherein said terminal handles at least one of network status indication, connection status indication, and terminal initiation at power-up or after disconnection of connector arrangements (Gerszberg et al., column 32 lines 55-67 and column 33 lines 1-54).

Consider claim 10, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein the output from a connector arrangement connecting a transmitter device is adapted into a digital format, supported by a source port of a network transceiver in a terminal (Gerszberg et al., column 2 lines 46-67 and column 3 lines 1-6).

Consider claim 11, as applied to claim 10. Gerszberg et al., as modified by Mani, discloses a network system wherein the adaptation is done in a transmitter adaptation, which is in one side connected to an output of the transmitter and in other side to a source port of the network transceiver in the terminal (Gerszberg et al., column 19 lines 26-44).

Consider claim 12, as applied to claim 11. Gerszberg et al., as modified by Mani, discloses a network system wherein an adapted data, when inserted into the network, is captured in said Terminals in the network using an appropriate receiver connector arrangement where it is adapted back into an original format and delivered to a receiver device (Gerszberg et al., column 10 lines 48-67 and column 11 lines 1-19).

Consider claim 13, as applied to claim 12. Gerszberg et al., as modified by Mani, discloses a network system wherein the adapted data stream from a transmitter device is captured in the terminal and adapted back in a receiver adaptation in the receiver connector arrangement and delivered to a receiver device (Gerszberg et al., column 11 lines 20-63).

Consider claim 14, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein signals from several devices are transmitted simultaneously through the network (Gerszberg et al., column 16 lines 63-67 and column 17 lines 1-19).

Consider claim 15, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein each connector arrangement comprises an

identification set arrangement to configure receivers to corresponding transmitters (Gerszberg et al., column 22 lines 50-67 and column 23 lines 1-12).

Consider claim 16, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein a connector arrangement comprises means to receive an analogue signal, means for converting said signal to a digital signal and means to transmit said digital signal on said network (Gerszberg et al., column 11 lines 45-63).

Consider claim 17, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein a connector arrangement comprises means to receive a digital signal from said network, means for converting said signal to an analogue signal and means to couple said analogue signal to an analogue device (Gerszberg et al., column 11 lines 45-63).

Consider claim 18, as applied to claim 16. Gerszberg et al., as modified by Mani, discloses a network system wherein said analogue signal is one of audio or video signals, which can be compressed and/or encoded (Gerszberg et al., column 20 lines 19-26).

Consider claim 19, as applied to claim 10. Gerszberg et al., as modified by Mani, discloses a network system wherein said identification elements comprise switches for setting unique identities for transmitting and receiving connector arrangements (Gerszberg et al., column 9 lines 1-27).

Consider claim 20, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein said connector arrangement comprises information member informing about accessibility and/or type of connection (Gerszberg et al., column 2 lines 19-26).

Consider claim 23, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein said network has one of a ring or star-topology (Gerszberg et al., column 23 lines 13-19).

Consider claim 24, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein said terminals are arranged in series and/or parallel (Gerszberg et al., column 36 lines 4-7).

Consider claim 25, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein said network is implemented as one of MOSTnet or IEEE 1394 (Gerszberg et al., column 7 lines 66-67 and column 8 lines 1-27).

Consider claim 26, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein said terminal and connector arrangement are integrated (Gerszberg et al., column 7 lines 66-67 and column 8 lines 1-27).

Consider claim 27, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein at said terminals and connector arrangements are powered through same source (Gerszberg et al., column 26 lines 26-37).

Consider claim 28, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein connector arrangements are arranged in said digital and/or analogous device (Gerszberg et al., column 7 lines 31-54).

Consider claim 29, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein the system comprises wireless connection between connector arrangements and/or terminals (Gerszberg et al., column 4 lines 27-47).

Consider claim 30, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein the network is accessed externally (Gerszberg et al., column 11 lines 20-44).

Consider claim 31, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein said identification element is controlled remotely (Gerszberg et al., column 22 lines 26-49).

Consider claim 32, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a network system wherein said terminals and connector arrangements are connected wirelessly (Gerszberg et al., column 4 lines 27-47).

Consider claim 34, as applied to claim 33. Gerszberg et al., as modified by Mani, discloses a connector arrangement arranged in a digital and/or analogues device (Gerszberg et al., column 11 lines 45-63).

Consider claim 36, as applied to claim 35. Gerszberg et al., as modified by Mani, discloses a terminal comprising Control Ports and source ports configured in either serial or parallel mode (Gerszberg et al., column 26 39-52 and column 36 lines 4-7).

7. Claims 2, 8-9 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gerszberg et al. (US 6480748 B1) in view of Mani (US 20020188725 A1) and in further view of Laksono (US 7099951 B2).

Consider claim 2, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a facility management platform comprising network connector arrangements. However, Gerszberg et al., as modified by Mani, fails to disclose a network system wherein connector arrangements are connected to terminals through identical interfaces. Laksono discloses a method and apparatus for multimedia system comprising a network system wherein connector arrangements are connected to terminals through identical interfaces (column 35 lines 5-15).

Therefore, it would have been obvious for a person of ordinary skill in the art at the time the invention was made to incorporate a method and apparatus for multimedia system comprising a network system wherein connector arrangements are connected to terminals through identical interfaces as taught by Laksono with a facility management platform comprising network connector arrangements as taught by Gerszberg et al., as modified by Mani, for the purpose of servicing multiple sets of client modules from the same source grouping.

Consider claim 8, as applied to claim 1. Gerszberg et al., as modified by Mani and Laksono, further discloses a network system wherein a group of connector arrangements consists of one transmitting and at least one receiving connector arrangements having same identity (Laksono, column 35 lines 5-15).

Consider claim 9, as applied to claim 8. Gerszberg et al., as modified by Mani and Laksono, further discloses a network system wherein said identity is user and/or at least partly pre-defined by means of an identification means (Gerszberg et al., column 22 lines 50-67 and column 23 lines 1-2).

Consider claim 21, as applied to claim 1. Gerszberg et al., as modified by Mani and Laksono, further discloses a network system wherein said terminals and/or connector arrangements are identical (Laksono, column 35 lines 5-15).

8. Claim 22 is rejected under 35 U.S.C. 103(a) as being unpatentable over Gerszberg et al. (US 6480748 B1) in view of Mani (US 20020188725 A1) and in further view of Grenier et al. (US 7181511 B1).

Consider claim 22, as applied to claim 1. Gerszberg et al., as modified by Mani, discloses a facility management platform comprising network connector arrangements. However, Gerszberg et al., as modified by Mani, fails to disclose a network system wherein a connector arrangement identifies a network capacity and characteristic before transmitting on the network. Grenier et al. discloses a method for using software objects to manage devices connected to a network in a vehicle wherein a connector

arrangement identifies a network capacity and characteristic before transmitting on the network (column 1 lines 65-67 and column 2 lines 1-3).

Therefore, it would have been obvious for a person of ordinary skill in the art at the time the invention was made to incorporate a method for using software objects to manage devices connected to a network in a vehicle wherein a connector arrangement identifies a network capacity and characteristic before transmitting on the network as taught by Grenier et al. with a facility management platform comprising network connector arrangements as taught by Gerszberg et al., as modified by Mani for the purpose of discovery technologies.

Response to Arguments

9. Applicant's arguments filed 10 July 2008 with respect to claims 1, 33, 35 and 37-38 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any response to this Office Action should be faxed to (571) 273-8300 or mailed to:

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Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Mark Fearer whose telephone number is (571) 270-1770. The Examiner can normally be reached on Monday-Thursday from 7:30am to 5:00pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Tonia Dollinger can be reached on (571) 272-4170. The fax phone number

for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 571-272-4100.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

Mark Fearer
/M.D.F./
October 10, 2008

/Nathan J. Flynn/

Supervisory Patent Examiner, Art Unit 2454